

APPENDIX A: DNA SEQUENCES

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>RXA00013-downstream

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>RXA00014-upstream

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>RXA00202-downstream
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>RXA00206-upstream
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>RXA00206
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>RXA00224

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>RXA00225-upstream

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>RXA00225

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>RXA00235-upstream

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>RXA00235

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>RXA00268-upstream

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>RXA00268

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>RXA00268-downstream

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>RXA00288-upstream

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>RXA00288

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>RXA00290-upstream

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>RXA00290

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>RXA00293

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>RXA00296

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>RXA00310
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>RXA00317-upstream
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>RXA00317

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>RXA00327

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>RXA00328-upstream

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>RXA00328

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>RXA00329-upstream

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>RXA01077-downstream
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>RXA01089
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>RXA01133

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>RXA01193-upstream

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>RXA01193

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>RXA01194-upstream

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>RXA01225
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>RXA01227-downstream
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>RXA01242-upstream
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>RXA01242

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>RXA01243-upstream

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>RXA01243

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>RXA01259-upstream

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>RXA01262
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>RXA02440
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>RXA02474

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>RXA02556

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>RXA02572

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>RXA02596

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>RXA02741-upstream

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>RXA02741

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>RXN03083-downstream
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>RXN03086-upstream
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>RXN03086
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>RXN03087-upstream

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>RXN03087

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>RXN03087-downstream

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>RXN03096-upstream

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>RXN03096

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>RXN03101

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>RXN03112-upstream

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>RXN03112

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>RXN03117-upstream

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>RXN03117

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>RXN03117-downstream

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>RXN03144

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>RXN03144-downstream

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>RXN03150-upstream

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>RXN03150

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>RXN03150-downstream
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>RXN03179
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>RXN03180
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>RXN03180-downstream
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>RXN03186-upstream
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>RXN03186
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>RXN03187
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>RXN03187-downstream
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>RXS00584 - 5'-Region
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>RXS00584 - coding Region

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>RXS00584 - 3'-Region

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>RXS01260 - 5'-Region

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>RXS01260 - coding Region

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>RXS01260 - 3'-Region

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>RXS01261 - 5'-Region

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 AATGACCCACTAAACACGTATCCTGAATGC

>RXS01261 - coding Region

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>RXS01261 - 3'-Region
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>RXS01758 - 5'-Region
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>RXS01758 - coding Region
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>RXS01758 - 3'-Region
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>RXS02574 - 5'-Region
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>RXS02574 - coding Region
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>RXS02574 - 3'-Region
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>RXS02735 - 5'-Region
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CTGGAAACCGTCTAAGGAGAAATACAACACT

>RXS02735 - coding Region
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>RXS02735 - 3'-Region
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>RXS03215 - coding Region
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 RXS03215 - 3'-Region
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>RXS03224 - 5'-Region
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>RXS03224 - coding Region
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>RXS03224 - 3'-Region
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>RXC00233 - 5'-Region

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>RXC00233 - coding Region

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ACCCCATCCCCAACCTGTACTACTTGACAGATCCACGCCGTGACCACCGAGGCATCCGCCTCGAGGT
GCATTGGTAATGAAGTGGATGACTGATGCCCTTCCACCGACGAAGAGCTCGTGCCTGACTACCAGCG
GCCACGAGCATTCCCTGGCAAAGCGAACGCAATTGAAGATCTGGCACGGATTTCCGGCGGTGGC
ATGCCTGACCGAGTGAAGTGCCTCACGTCTCATTGACTATGCACTGGCAGAAGGCCACACCATTTC
CTT

>RXC00236 - 5'-Region

AATGCGAGAGTTCTAAAACGAGCCGTAACATCGACCCCCATGAGTTCAAGGGTTAGAAAAGCAATGGG
ATTGGATGCGGTTGGTTTGGCCGTATC

>RXC00236 - coding Region

ATGGTGTATCTCATTGTTGGATGGCGCTCAGCTTCATGGATGGAACGGCACCTATCGCCAACCTCCAG
CAAATCCCTGAAGATGTTCCGCCGGCGCTGGTGTAGAAGTTCCGCAAATTGATACAGAGGCAGATGGA
CGCACATCCAACCATTGCGTTTGGCGGAACCAATTGCTCAAGATACTGGTGTCCGCTCAAGCG
ATTGCGGTTATGGAAACGAGCTCATCGCAGACTGCGTGGCCTGGCTGCAATCTGGGTGGAAT
ACCTTGGCAGGTATGGCCAGGTGGAAACCCGTACCGTACCTACAACGGAAAATGTTGGGGCAGT
TCCCTGGATGAAAATGGAGTTGCAACCCCTCCAATCATGGCGTTCCACTTGATGGTTCACCGGGGTT
GCGGAAATTCCCGACACTGATGGTGGGAATTAGATGGCGATACTGAATATGATCGCGCGTAGGTCCC
ATGCAGTTCATCCGAAACGTGGCACTTATGGATTGGATGCAAACGGTGTAGGGTAGCGGACCC
AACCAAATTGATGACGCAGCTTACGAGTGCCGAAACCTGTTGTTCCAACGATCGTACTTGTCCACT
CCTGAAGGATGGACCGCAGCTGTTACGACAGCCGGCGATC

>RXC00236 - 3'-Region

TAAAACCTAACAGCGAACCCC

>RXC00271 - 5'-Region

TAGTTAAATCATGAGACATTTACATATGGTTCTTATCCGAGACATGTGTTGACGCTGTCTGCCCT
TTTGAAAATAACACTTAAGGAGATGTGCC

>RXC00271 - coding Region

ATGTTTCTCCGTCAGGTACTCGCAAGCATCTTACTGTTGGCGCTTGGCTTGCGTGC
TCAAGCGATTCCAGTGACAGCTCCACCTCCACTGATGCTGCAGGTGGCAGCTTACCGAGTTGGCAGTC
AACCGCTTGTTCAGCACCCCTGCACTTGATGAGCAGGAAACGCTAACGGCGAGCAGGGCAGTGCAGTATTCTCAG
GGCGTTGACGTACCTTGATGAGCAGGAAACGCTAACGGCGAGCAGGGCAGTGCAGTATTCTCAG
CAGTCGTTCTGACAATTGGATCTCGTGTGGCTGTTGCAACTCCAGCAGCACAGGCAACTGCGCAG
AATATCACTGATATCCAGCTGTCACCGCAGTTACCGATGCACTGTCGGCAGAGCTGGTGGATTCT
AATGAAGCACCTGGCGGAAACGTACCGTACTCTGATATCGCACCGATTGAGCAGCAGTTGGAGCTT
TTGCAGCTGTTCTGACGAAAGTCCATCGCATCGTCTACGCGTCTGGTGAGGTCAACTCTCAG
GTGCAGGTGATGAGGTACCAAGGCTGCTGAGCCACTGGGCTGTCGTTAATACTCAGACTGTCACT
ACCGTGAACGAGATTGACGAGCTGTCAGCAGGCTGTTGAAGCTCTCGCGATGTTGATGTCATCTACGTTCAACTGAC
AACATGGTTGTTCCGGTATTCTCTCGGTTGAGGTTGCTGAGCAGAAGCAGATCCCTGATCGC
GCTGAGTCCGGCACTGTTGAGGGTGGCGCACTGGCAACCCGGTATCGATTACACCGAGCTGGCCGC
CAGACTGGTGAGATGGCTCTCGGTATTGCAAGGACGGCAAGACCAACCATGCGTGGAGACT
GCAACTGAGTTCACCTACGTGATCAACGAAGATGCAGCAGAGCGCCAGGGCGTGGAGATCCCTCAAGAG
ATTGGATAAGGCCGAACCGCGTA

>RXC00271 - 3'-Region

TGATCGCGCTTGGAGTTCGGA

>RXC00338 - 5'-Region

TCTTAGAAGGCGTAGTCACACCATTAAACCTTGCAGAATTTCAGGCTGGCTAGACTGGGAAACG
AACATGCGGTACCAACCAGGGAGTTAATGC

>RXC00338 - coding Region

GTGAGTGATGTAACCGTTGGCGATATCGCCGATTTGGATGAGGCTTATCCGCCGGCGTGGCGGAA
 AGCTGGGACAAAGTGGGGCTGATCTCGCGGTGATCCAACAGAGTCGGTAAGCGTGTGCGTTAGCACT
 GATTGCACCCAGGCAGTGGCGACAAGGCTGTGGACATGGGTTGGACATGCTGATCATTACCAACCCA
 TTGCTGCTGCGTGGGGTGCAGTCTGCTGCGATGAGCAAAGGCAAGGTATTACACACCTAATT
 CGCGCGGGGTGGCACTGTTCCGCGCACACTAACGCGGATTCCGCGCCAGGTGTCAACGATAAA
 CTCGCCAGCTCGTCGGCATACGGCCGGCGACCCATCGCAGACACGGCTTTAGGCAGGATGGACAAA
 TGGGGCGTGCACGTTCTGCCAAGGATGCAAGCTAACGAGATGCTTACGACGGTGCAGGTT
 GCGATCGGCAGTACCGAGAGTGTGCTTGGAGATCGAAGGAACCGGGCAGTTAGGCCGTGGAGGG
 GCGAATCCGGCAGAGGGGACGTCGATAAGCTTTAAATCCCTGAGCTGCGCATCGAGTTGTTGCA
 CC CGCAACCTCGCGCCGGCTCACGTCGGTGTGCGGGAGGCTCATCCGTATGAGGAGCCTGCCTTC
 GATATTGTTGAAATGCACAGCCTGAGAGTTAGAAAATGCAGCGGATTGGGTGTTGAATTG
 CCGGAGCCGATCGCCCTCGCGGATTCTGCAACAAGTGGCCAACAACTGCCTGTGACCGAATGGGC
 GTGCGCTACCGCGATCCTGAACAAATGGTGTCCCGTGTGGCGTTCATCAGGGTCGGGTGACAGT
 TTCTTAAACGATGTTGATTAAGCTCGGAGTGGACGTTATGTCACTCTGATCTGCGCCACCATCCAGTT
 GATGAATATCTCGAGAAGGTGGCCCTGCAGTAATCGATACTGCACACTGGGCCAGCGAATTCCATGG
 ACTTCCAAGGCCAAGAAATTTCGAGGACAAAGCCCCACAGGTGAAGTTGATGTGATTGATCCGAC
 ACAGACCCCTGGACCATGTCGCGAGCAGTGAAC

>RXC00338 - 3'-Region
 TAAATTCTTGAGAACTAAAAAAG

>RXC00362 - 5'-Region
 CACTTTTGGGTAAAATTCCACGAAGTTAATGCCGTTAACGATCAATTCAATCACATGTAACATGCTA
 CGGTTTTTCGGTCACTAAAGGAGGCCTT

>RXC00362 - coding Region
 ATGGGAATCATTGCTCTGCTCGTTTATCGCAATTGCCGTGATATTGAATGTGTTTGAAACGAGAT
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 GGCATCGTTGTGCAATCAACTGGATTGATTGATCGATTATCGCAATCCTAACCGATTTGGTCTGG
 CTTCGAGGTGGCGCAGGTTATGTTCACTCTGGATCTGCGCTCATTGGACTATCGCTGGATCAACG
 GCTGGAAACTCCCGCAGGGTGGCTCAGTGACGATCCCTGGATGAAAAGACGGGATGGACTGCTGAA
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 GGTGCGTATGCTCAGTCTACCGCTTAGCGGTGCTTTACTGGACACGTAAGATAAAATTCCCTGCC
 ACCCCTGATGATCAACGGGTGTCATTGGTGAAGGCAATGAAGACTGGATGGCGTTACCGTTGATCTC
 CTTGGAATTGATCCCCGTAATCCTACAATCGGCCATTGTCGAATGGTTAAAGACACATGGAGTT
 GGGGAGTCTGGTAAATCGATGTCATCGTGTGGTGCCAATTGATTACGGCAATTGCTCTG
 ATTGAAGGGCTAACGAAATTGCTAACACATGGCACACTTAGGGTTGAGATCTCAAGGACTGCCA
 CAATTGCCACCGTAGGAATTCTGTTTCTGCGCTTGCAGCAGCGAACATCATGGAAGAACTGGGT
 GTTGGCCCGCAGTTGCTAAGTGGCTGATTCCATGGACCTACCTAACGTCATGTCATGGTGAATTGTC
 TGCATCATGTCATTGTTGGCAACGCCACTGCGTCAACAGCAACCGCGGCTGCGATTGGTGTGACT
 GCTGCGCTGCGTTGGCTGCGTAGGTATTGATCCAAGTGTGGCGATCGTAGTGTGATCTGCTGTGCACT
 TCCACTGAAGGTGCATCCCCGCCGGTGGCGCCGATTACCTTCTGCTGCGATGCCGATGCAAAC
 CCAACGAAAATGTTGTCGACCACTGATTACGTACTTGTGCCCCATGATTCTGCTTGCTGGCTAGTT
 GGAATGGGATTCTTACCAAGTGATTGTTACCGGGT

>RXC00362 - 3'-Region
 TAAAGGGTAAAAATGAGAACTCAA

>RXC00412 - 5'-Region
 CTTTGACGAACACACCACGTCGCGTACGCTTCCCTGGGGCGTTAAACTATTGTCTTCAGCTTGTCC
 CCCGACTTTGTACGAATCGAGGACACCGTC

>RXC00412 - coding Region
 GTGTCACACACCGCGTCCACACCGACGCCAGAGGAATACTCCGCGCAGCAACCCAGCACCCAGGGCACT
 CGCGTTGAGTCCCGGGATAACCAAAGTCTTAGCAACAAATAATGCTAAAACCACCGCGCTTGAT
 AATGTCACTCTCACCGTAGAACCCGGTAGGTAATCGGCATCATCGGTTACTCTGGCGCCGGCAAGTCC
 ACTCTTGTCCGCTCATCAATGGCCTGACTCCCCACGAGCGGTTGCTGCTCAACGGCACCGAC
 ATCGTCCAAGTCCCCGAGTCTAACGCTGCGTAAACTGCGCAGTAATATCGGCATGATTTCAGCAGTTC
 AACCTGTTCCAGTCGCGTACTGCGCTGGAAATGTGGAGTACCCGCTGGAAGTTGCAAGATGGACAAG

GCAGCTCGTAAAGCTCGCTGCAAGAAAATGCTCGAGTCGGCCTGGCGACAAAGGCAAAACTAC
 CCCGAGCAGCTGCGGGCGCCAGAAGCAGCGCGTCGGCATTGCCGTGACTGCCACCAATCCAACG
 CTTTGCTTGCCTGCGAAGCCACCTCCGTTGGACCCAGAAACCACCCATGAAGTCTGGAGCTGCTG
 CGCAAGGTAAACCGCGAAGCTGGCATCACCATCGTGTGATCACCCACGAAATGGAAGTTGTGCGTTCC
 ATCGCAGACAAGGTTGCTGATGGAATCCGGCAAAGTTGTGGAATACGGCAGCGTCTACGAGGTGTT
 TCCAATCCACAAACAGGGTCTGCTCAAAGTTGCTGGCCACCGCGCTGCTAACACCCCAGACCAAGTG
 GAATCGGAAGAGATCTGCTTAGCCATGAGGGACGCTGTTCACCATGATCTGACTGAAACGTCCGGCTTC
 TTTGCAGCAACCGCTCGTGTGCGAACAAAGGTGCTTTGTCACATCGTACCGGTGGCGTACCGACC
 TTGCAACGCCAATCATTGGCAAAATGACTGTTGACTCACCGGCAACACCGCTGCGATTGAAGAGTT
 TATCAAACCTTGACCAAGACCACGACCATCAAGGAGATACCCCGA

>RXC00412 - 3'-Region
 TGAAACGAGATGATCCTCGCAGCT

>RXC00526 - 5'-Region
 GGTGGAGCAGGCGGCGCTCTTTAGTCCTGOGGCCCTTTGACCCCTGCAGCCCTGCCGTTCTGC
 CAAGCAAACCGTGGGCCAGGTGATTAGCCT

>RXC00526 - coding Region
 ATGAGCCTCATCGAAATCGAAATATTGTCAAGACCTACAACATTGGATCTGAAGGTGAACTCACCGTG
 TTGCACGGTGTGGATTCCATGTGGACCGTGGCGAATTGTCGTCGGTTGTGGTACGTCCGGCTCAGGT
 AAATCAACGATGATGAACATCATTGGTTGTTGATAAGCCAACGTGATGGCACGTACACCTGGATGGC
 GTGGATGTGTTGGATATCAGCGATGATGCTTGGCGAGCCACCGCGCTAAATCGATTGGTTTGTGTT
 CAGAACTTCAATCTGATTGCCGGATCGATGCCTGAAGAATGTGAAATGCCCATGATGTATGCC
 ATTCCGGCTAACGAGCAGGAGAAGTCGTCGGTTGAATTATTGAAATGGTCGGATGGTGAGCGTCTC
 AACCATGAGCCAATGAGCTTCCGGTGGTCAGAACGAGCGCTGGCCATTGCTCGCGCTTGGCGAAC
 GATCCTGAGATCATTCTGCTGATGAACCAACTGGTGCCTGGATTCTGCAACGGCCGGATGGTATG
 GATATTTCACCAGCTAACAAAGGAGCAGGGCAAAACCATGTTTATTACTCACAACCTGAGCTT
 GCTGATGAATCTGATGGTGGTCACCATGGTGACGGCGCATATTGGTCTGAGGTGAAACACTCA

>RXC00526 - 3'-Region
 TGAGCCTTGCAAGAACATTCTT

>RXC01004 - 5'-Region
 CGGGACGCTGGATCGCACGAGTAACGGTCATGGAAGATCGACGCATCGACAAAGCCGTTCTCACCCCC
 TCACCCATGAAGAACGAAAGGAGTACGAAAA

>RXC01004 - coding Region
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 GAGTCGCACTGATTCTCGCGCCGGACCGCCTGGATTCCCTGGTATCCAGGGTAAAAGGGAGCT
 GAAAAGGTTCTCTACGCAACCGAGCACCTCTCCATCATGTTGGCGGGCGCTCAGTCGGTATTACGGTC
 TGGTCTCTGATTCTGGTAAAGTCGCAAGAACCTGCGATGCCACTTCATTGAGGTGCCTTCACCTCC
 TGGGGTGTCCAATGATTGATCCACCCATTCCCTCGTCATCGCACTGGCGATCATCACCTGGTG
 CACATTCTCTTGGTGAATGGTGCACAAAGAACATCGCTATTGCTGCCCTGAAACCTTAGGCATGTGG
 CTTGCTCCAGTGCCTATTGCGTTGTAAGATTACCGCCCGTTGATCGAGTTCATGAACCTGGATGCC
 CGTCTGACCTTCGCGCTTGGTGGAGCAAAAAACGAGCTGGATTCCACCGTGGACCCAGAGCAG
 CTGGCATCAATGATTCCGAGTCCGTTCCGAAGGCCCTTGATGCTGAAGAGCACGCCGCTGTCC
 AAGGCCGCTGCGCTCTGAGCAGCGTCCATCAAGGAACCTGGTATTAAGGATGAGGACGTGCGCACGCTG
 GCGTTCGTAAATCTGGCCGACCTTGCAACAGTTGGAGGAAGCAGTCCCGAGACCGGTTCTCCCG
 TTCCCTGTCACCGGCCGCGATGGATCTACTTGGTTATATCCACATCAAGGATATTGCTCGTCTG
 GCTGATCCTGAGATGGATCCCTCGAGACCAATTCCGCGTCTGCACTGCCCTTGAGCAATGTGGAT
 GCCGACGGCCTCATGGATGACGTCTGGATTATGCACTACCGCTCCGCGACATGGCTCAGGTTCGC
 CTCAAAGGTGAGCTCTCGCGTGAATACGCTGGAGGATCTCATCGAAGAACATCGTGGCACCGTCAAC
 GATTGGACTCACGAAAGCTCCGACGAC

>RXC01004 - 3'-Region
 TAGAAATAGTAACGTGTTGGAC

>RXC01017 - 5'-Region
 GAAATTGAGGGGGCGCTACCCCTAGAAGGTGCGCAATGACACCACGATAGTCGCGCTAGTGTGGAT
 TGCTAGAAAATTTAAGAAAGAGGAATAAT

>RXC01017 - coding Region

ATGGCTCAAAAAGTAACCTCTGGTCGATACCACCTGCCATTCTGCTGGGTACACCTCCCGCTGGATT
 AAGGAAGTCGAACAAGTCCCGATATTGAAATCCAGTGGGTTCCAATGAGCCTCGCTGTCTAAACGAA
 GGCGTGATCTCCCAGAGGATTACAAGGAGCGCATGAAGGCTGCATGGGACCAGCACGCGTTTCGCA
 GCTGTCGCCACCGACCATGCTGACAAGCTCGGCACCTGTACACCGCAATGGGTACCCGATCCACAAAC
 GACGGTCGGGACCAATCGAAGGTTCTTAATGATGTCACTCGCAGAGGACTGAAAGAGGTGGCCTA
 GACGCTGCACTGGTGAAGTTGCAGACACCAGAATGGGACGACGCACTCGGCATTCCACCAAGACC
 GCAATGGACGAGGTCGGAACGATGTCGGAACCCAGTGGTCAAGCTCGGCACCCGCTTCTCGGC
 CCAGTGCACCTCCACCGCAGGAGCAGGAGAGATCTCGACGCTCCTCAAGCTCGCA
 AGCTATCCCCACTTCTTGAAATCAAGCGCAGCCGACTGAGAACCACAGTTCGAC

>RXC01017 - 3'-Region

TAATTAACGCTGCTCTGCTTAT

>RXC01021 - 5'-Region

CGAGAGGCTTTGGCTTAAGCCTTTAGTCGTGCGAACGAAATCTTAAGCAGCCTCGGTGCCACCG
 AGATCGATTGGTCGCTGTAAGGTATCTGATT

>RXC01021 - coding Region

ATGTCCAGTTCCGAAAGCTCGCGTCCGAAGGCTCGCAGCCAGCACCGTCTGTACAGCCTGAACGCCGT
 GCTGATTCAACGGGGCTCTCGCGCAGCTTCCAAGGAAGCTTCCAACAAATGGACGCTGCCGGAGTT
 CTTGAGTGGGCCAGGACCGCTGTCGAGCAGCTTCTGAACGCTGAGAGATCAATGCACTGAATGTC
 TTTCCCTGTTCCAGATGCGACACTGGATCAAACATGACCTACACCATGACAGCTGCGTTGGATGAAGCG
 CTGAAAATGGGGAGTTGGGTGATGTCGCAAGGATTACTGAGGCTTGGCTGTTGGTCTGCGTGG
 GCCCGAGGAAATTCTGGAGTAGTCCTAGTCAGTCCTCGCGTATTGCTCAGGCAGCTGACGG
 GTTATTGATGCCACACAATCCAAGAAGCGCTATCCATTGCTCGCTCCTAGTTGATCGCGCAATTACA
 GATCCTGTGGAGGGACTGTTGCACTGTTGCGTTCT

>RXC01212 - 5'-Region

TTTAGAAGCCACATGACATATGTCATGAAAATTATGTGCAAAGTGCAGTAATACTCCTGACATATGGCT
 CTACCAGCGCAATGCGAAGTAGGAAGAATT

>RXC01212 - coding Region

ATGCCTATGACAACGACACCAGCAATCGACGTAAACAGACCTCGTGAGAACCTACGGCGACTACACCGCA
 GTCAAGGGCCTGAATTCCATGTACAGCGCGTGAAGTATTGGTCTGCTCGCACCAACGGGGCCGGC
 AAAACCTCCACCTTGGAAAGTCATCGAAGGACTTCCGCACCCAGCTCCGGCACCGTGCATCTCCGGG
 CTTGACCCCGTTGCCGACCGCGCATCTGCGCCCCGAGCTGGCATTGCTGCAATCAGGCAGGCTG
 CCATCACAGCTCACCGTCGCCGAAACCATGGACATGTGGCACGGCACCTGCACGTATCCGCGGCCATT
 AAAGATGTGCTGCGACGTCGACCTCCTACACCGCGAAAACGTCAAGGTCGGCGCGTTCCGGAGGC
 GAACAACGACGCCCTGATTGGCCTGCGCACTGCTTGGCGACCCCTCAATTGTTCTCGACGAACCC
 ACCACCGGCCTGACCCAGAATCTAGCGCCACACCTGGCAACTCCTGCTGGACCTGAAACAGCGCGC
 GTCACCATGATGCTGACCAACCCACTACCTGGAGGAAGCCGAATTCCCTGCGACCGGATTGCCATCATG
 AACGCCGGTAGAGATCGCAGTGGAAAGGCACCTTGGATGAACGGTGGCCCGAGAAGTCGATCATCAGT
 TTCGTGCTGCGTGGCGGGCAGGTGGAGTTGCCGGTCTTGAGTGGGCTGAAATCATCCGCGACAACAC
 CACGTCCGCATGCCACCAACCCCTGCAAGCACACCTTAGAAATACTTACCTGGGCTGAGAGACC
 GGGATCGCGCTGGAAGGCTCGCTGCAAAACCGCCACCTGGAATCCGTATTGACATCGCCTCA
 CTCGAGAACACCTCGCTGCAAACCGCC

>RXC01212 - 3'-Region

TAGAAATCTTAAGGAGACCACAA

>RXC01306 - 5'-Region

TGTTTAGAGGTAGAGCGAAACGCTGTAAAACGGCGCTGCTGTGCTCGAACGACCACCCAGACAA
 TCACCCGCTCCGAAGGAGAACGCTAACG

>RXC01306 - coding Region

ATGACTGAATGGTATGCGTTTACCCGCCACTATTCTACTCATCGCGCTGTGCGTTTCGTCATC
 ATTGAGTTCGCTTGCTGCACTAGGGGAACCGGTTAGAGGAGACTGTGGAAACCTCGCGGTCTTCC
 CGCGCTGCGTTGCGAAGCCTCAATGAACCTACTCATGCTCGCGGGCGCAGTTGGGAATCACCATG

GTGACTTCGCGTGGGTGCTATCACGAAGCCGTGGGTTCATATTGCTTGATGCCGCTTCGAATGG
 GCGCGTATAACCGCTGGTTATGGCAGATGTCATTGCGTTATTTCGCTGTTATCGTAACGTTCTG
 CACTGGTCATCGCGAAATGGCTCCGAAATCTGGCAATCGCGCATCCGGAGACGGCACTCGAATC
 ATCGCGATTCCGCACGGGCTTCATTAACCTGTTGCTCATTGCTGCAGTGGATCAACAAAATGGCG
 AACGATTGGTCCGCAAAGTTGGTAAACTCCCCTGATCGAGCTGCAGCTGGCTATGACACCGAT
 ACCCTCCATGCCCTATTGAGCATTCCCAGAGAAACTGGCGCTGGATCAGCAATCCGCCAAATC
 AGCGGAATTATCAAGCTGGATAAAATCACGGTCGGTCAAACCCCTGACCGCATCTCCATTACGCACAGC
 GCCAGGCCACGGTGTGAGGTGCAAGCCGAGCTCAGCGCAGTGGCAGCTGCGTGTGCTTATCGAC
 GCCCCCTCCCACCTTCCACACGTCATTGTCGAGACACCCTGGTGCCTGCCAGACGAGAAG
 GCTTCGAAGTGGCTCGCCAATCCTCACCGTTGCTGAGACCGACACGTTACACCAAGCCTGGAATAC
 ATGCGGGAGCATAACGAGCAGATCAGTCGGTGTTCGGCTGATGGAAAACGGTGCTGGTGTAAATA
 ACTTGGGATCACATCTGAAATACTGTGGCCTGCATCGGTG

RXC01306 - 3'-Region
 TAGCTAATTGAGGTGCGCTGAA

>RXC01366 - 5'-Region
 ATGCATAAAACAAATTCTATGTGTGTTGAGCTGCCAAAAGGGTTGGCGCGCGATGATGACTGTCCA
 AACCTAAACCAAGGTCTAAACTTGGCTTC

>RXC01366 - coding Region
 GTGAGTCAGTTCGCTGGTCCGCCCTGGTTGTGGCAAGCCTGCCGCAACCCCTCACCTACGCA
 TATTGGATTCCACTGCGGTGGTTGGCCTTGGCGCCTGCAGCAGAGCCCCATAGTTGGGATCTGTG
 GAGCATCATGCCGAGCGTATTACTGCGCCCTGGTTGGGAGATGCTGCGGTGAACGACATCAAAGTC
 GATGACGATGAGGATCTGACGGCTTGTGTCAGGCTGTTGAGGCTGGACGCACTGTGAGTGGCTG
 GTTCCTGAAGACGAAGTGGCGGCAACCATCCGGTGAACCGGAGTGCAGGATCGCGGAACAGAAGGTT
 CACCGCAGGGGTATCTATGTTGCGCTGATCAGGACGAATCA

>RXC01366 - 3'-Region
 TAAGGTTGCTATTGCGATTGGA

>RXC01372 - coding Region
 CAGGACACCTTCGCTCTCCACCTTGCCCACGCCGCAGGCTTGTGCGCTGCCGCATCGTGGCGTCG
 ATAAGCACTTTTAGATCTTTAGAACGAGACCCAGCATTATTCCGACCGCTTGGAACACCTCGCC
 GACTGCATTGATGAGGAAGTGGAAATCGCTATGCCGGAACGTGACGAACTAGTCAATCCGGCGAAAA
 CTGCGCATACTGAGATCACGCACGGATCGTCATACCGGCCGAACGTGATGTGGACTCGCGATTGCC
 AACGTTATGCCCGAACCTGGACCCGACGAGGCTGGTATCAGCGTGTGGATTTCGGAGCTCATG
 GAATCATTGCCGGAACCTCCGGACCCGAGCCAATTACCGACGATATTCCATGACCCATTAGAT
 GACGAACCGGGGTGGTACCGTTAGGGCTGTTGCTGGCGAAGAGGAACCGGAATCCCGATGCC
 ATGGCGCAAAGCTGCGACGACCTAGAAAGGGCGCTGACACAAGCACTGCGTTGCTGGTGCAGG
 CAGTCAGCCACGACCTATTCCATTGAAGAAAAGGACTTG

>RXC01372 - 3'-Region
 TAAATGGAGCTATTGGAAGGCTC

>RXC01659 - 5'-Region
 TTGATGCGCGCCGGTGAGCAGCCTGCCGATCCAGAGCGTGAAGAACCTGATGATTAGTCGAGATTG
 ATACCGTCTGGATTCCGCTGCTCAGTAC

>RXC01659 - coding Region
 GTGGCGGGGGTTGCGCAGCGTTTGTGACGAGCGCATTACGTCGGTTGGATTCCATGCCAGAACGCT
 GTGACTGCTGTGGATGGAATCTGATTGGGTGTTGGCGGAAACCATCAAGGGTTCCACGCCCTCCGAT
 TGGGAAGAGATTTGCGGCCGTTGGCGCTGCTCACGGACCGTCTTCACGTTGCCACCTCGTTCCACG
 CGTGCACAAACCTGGATTGAAAGCATTGGAACCAAGCCGCTGAAGCCGGAGCAGCCAGAAAAGCCA
 GCGTTTACTCCAACTGCTCGGAAGAAGATTGCTCAGCCGTTGGTGAATCGCCCCGAGGAGCCGTTG
 CAGATGCCGGTTCGCGGTGTCAGGAAAGCCGGAGTGGTCGAGGCCACGGTATTGGGTGCAGGATGAT
 GTGGAGTCGATTGCGGAGGGCGATCCAGAGCGTCCGAGCGATCTTATGGCACGCGTGTGCGTGTGAT
 CTCAATGGTCAGTCCAGTATTCCAAGATTCCACCGACGCGGATGAGCCACCAAAAGTGG

>RXC01659 - 3'-Region
 TAGAAAACCTGGTGTTCGGCC

>RXC01663 - 5'-Region

TATTTGCTGGTGGTCACAGTGGAGCGCTAACCCCGAGAATCCTATCGAGGCCTAAATCGTGGCTTG
AGTACGCAGTGCAGTAAGGTGTGATGTG

>RXC01663 - coding Region

ATGGAAATAAGTGTCTGATCATGCCGCAGCTGATCTGGTGGCAGGCATCGACTGTGGCGCGCGAC
TCGTCTAACAGGCAGCTAAAAGGCTGAATCACCTGTGGCCTCAGTCGCACCTGCGCCCGTGTGGTT
GAAGAAGAGGCCGACCTGAGTTGAGCCAGAACTGGACCCCTGAACAGAAGCGCAACCAGAACAGAG
CTGGAAGTGTGCCCTAGATTGCGCCAGAACCAAGTTCAAGATCTTGAGGCCGATCAGGCTGAGGACATT
TATTTGATGATCCCCCTGAACCTCGATGCTGATGTTGAAAATGCCTGGCTGAGCTTACTGAGGTAGAA
GACTACCCGGAAGAGCCAGTGCAGTCAGCAACCTCAAGCCCCCTGCCACGGCCGAGGTAGCTGCCGAC
GAGGAGCAACGGGGCGTCGATAAGCATTGTTGAGCTTTGCGCTGGTCCAGCGCCGGAGGC
CGAAACTGGGCGCGAAGCACCACCTCGATTTCAAGGAAGATGCCCTTTGACCGATGAATGGTCA
AGGGTGCAGGCATCGACTGGTGCCTGACGTGATGTTGAGCTGGCATGGCTGAAGGATATGAAACG
CATCTGGTGGATTGGCGGGCGTGCCTGAGCAGCCTGCGATCCAGAGCGTGAAGAATCTGATGATTAGTCGAGATTGAT
ACCGTCTCTGGATTCCGCCTGCTCAGTACGTGGCGGGGGTTGCGCAGCGTTTGTGACGAGCGCATT
ACGTCGGTTGGATTCCATGCCAGAAGCTG

>RXC01663 - 3'-Region

TAGCTGCTGTGGATGGAATCT

>RXC01693 - 5'-Region

AGGAGACTGGCTGGATTATTGGCTGGTTCTTGGAAATCGTATGGCATTAAATCCTAGTCCAACA
ATTGCCAGAACCGAACACTAGGCTTGAACC

>RXC01693 - coding Region

ATGAATACTGCACCTTCAAACACTCGAAGCTGACTTCGCATCAGCCCTGCCACCATGGCAGCCCCCTGG
CAAGGTGAGGAAGCCCCAACCTGAGCTCGTGAATTAAATGACGACCTCGCCTACAGCCTGGGCTT
GATCCGACATGGCTTCGACACCTGAGGGCGTTCAATTCTCTCGACTCAACCCGAGCCCTTAACA
AAAGCAGTGCAGGCCTATTCCGGCCACCAATTGGACAGTTGTTGCAAGCCTGGTATGGCGA
GCGCTTCTCTCGCGAAGCCGCTCAGCTGACGGCGTACTGCATGATATCCACCTCAAAGGATCTGGA
CGAACCCAATTCTCCCAGGGAGCCGATGGACGCCGCTTGGCCCCGTTACGCGAATACATCATC
TCCGAAGCGATGCATGCACTTGGTGTCCCACCAGGTCACTTGAGTAATTAGCACCGGTAGGAAA
ATCCAACGAGGAAGCGTAGGCCAGGGCGAGCTTGTGAGTAGCAACCAGCCTCATTGAGTCGGA
TCCTCCAATACTCCAACATCTCTGGTGGCATCGAACTATCTCAACACACTGGCGAACTATACGATCACC
AGGCATTCCCTTCGTTGGTAGCTGAACATATCCGACCAACCCCGCAACTTATGTATCACTGTTAAA
GCGATTCTCAGCGCAAGCAGACACCGTTGGAAAATGGACCAGGCTGGTTCTACGGAGCCCTC
AACACAGACAACACGTTGATATCCGGAGAAACTGTTGACTACGGCCATGCCTTATGGAGCGCTAC
CGTGGCGACGCGAAATTAGCTCCATCGACACTATGGTCGCTACAAATTGAAAACCAACCTATGATC
CTCGGATGGAACATGGCCCGCTCGTAGAAACCCCTCCACTCCTGGCGCCACACCAGACGAAGGC
ATGACAGCAGCCAAGAAGCTCTCGTAGAATTGATGACCTCTCGCGAACAGCAATCCGAAAAGAATT
GCCACTGCACTGGCCTTGACGAGTCAGACACCGGCACGGTAGAGCAGTTCCGTGAACTGCTTACCTC
CATAACCCGACATCACCACGCTGTCGCGCAGTCACCGACAAACCCGACCCAGTGGCTTGAA
GCATTGTTCACCGACTGGAAAACCAAGACCCAGATATCGAAGCAATGCGAGCAGTAAATCCACTTTC
ATTCCACGCAATCACCTCGTGGAGCTGCTCTCGCAGACGCAGTTGAAGGAAATCTAGAAAAGTCCAC
GAACTCCTCGTGTGTCACCAACTCCTTGATCCAATGCCGAGTGAACACTACGCCCTGCCAAGC
GAAGAAGGATTGAAGAAGACTACATGACCTTCTCGCGTAC

>RXC01693 - 3'-Region

TAGGACAGATGGTGGGGCAGACG

>RXC01703 - 5'-Region

GTAGACAAATGGTAAACAGAGCTGACCTAGCGGAATCCGCATCAACGAAAGGCATTCCCGAGGGT
TTGGGGTCTGCCCTGAACAAATCTTGGGTT

>RXC01703 - coding Region

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CTAGACTGCCCTGGTGGATGCTGCTCGACGCACCACAAAGGCCGTCGCGACCGCATTAGGGACACC
ATCCGCGCATTCTGGTGCAGAACATGTGGCAAGCTGACCTCGAATCGTATTACGACGACAAAGCTGG
CTGCCCTGCTTGGCGTGCAGGAAAGGTGCGCACACCAAAATATTGCCCTCGTT

GAACAAAACATCGTCGATGGCATTGATTCCCTTACTGGGTGCTGCCGTGGCGTTCCGGCGAAACCTTC
 TACAACGTTCCCTCCAACCGTCTGCGATCATGATGGCCCGACCGACCAGGTTGGACGGATTGCGCATG
 AAAATCACCGATGGATTGGACCTGAGCTTGCGCTTCCATCCACCGTATTGCCAAGGTTGCGCATG
 CGCATGCACGGACCTGAGCTTGCGCTTCCATCCACCGTATTGCCAAGGTTGCGCATG
 TTGGAAATTGCTCTCAAACCTGCGTGGAGCGCAGGCTTGACCAACTCTGTTGAGCTG
 GCCGATAAGGAGAACCTCCCTCAAATACTTGCACACATCCACGCTGTGGTTCAAGGCTGCGGAT
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 ATTTGGTCCGCTATTAGCTGATGGCCATCCGCGCTGACGATTCAACCAACCGGGAAACC
 AAAAGATTGCGACGCCCTGGTACTGGAATCGCGGAAAGCGTATGGAACCCAGATTGGAAGTTGAT
 GGCCTCCGGTATTGCCACAGACTGGACAACGGATGACGCCCTGCCACAAAATTTGGTTGAGTTCC
 TCTAGTTGAGCGATCTGGTAGGTGTCGCGCTGGATGAACTGTAAGCTGATCTGTCGCAATTGTCGCGT
 TGGATGCTCATGGAAGCAGCAGCGAAAGTGGCGAAGAACTGGAAAACAACGGCAATAGTACACCGGT
 CGCTCCCGA

>RXC01703 - 3'-Region
 TAGCCCCGATAGTGTATGTGCTG

>RXC02254 - coding Region
 ATCGCCGTTGCCGAAGAAGGGGATTGTGGGAAAACCTCTGCAGCACCGCTTCGGTGACATGGTGC
 CTAGCTGGTCACGCCCTGGGAAACCTCGTGATCGCGCGTTGACCGACATTGGGCACCTCCAGCAT
 GCGCTTGATCAAATCGCTCAACTCGCTGGAGCCAAGGACGCATCATCCGGTATGTGCTGAACCTTG
 GATCTTGAAAGCGGAAGTATCAGGTCTAGACTCTGATGCTCGAGTCATGCGTCAAGTTGTTGTCAGTG
 GCGGTAGCTGCAACCCCGGGCAGGTGCGACCGCTCGAATCATTCCGGACAATCCAGAACCGAACCCC
 GCTGCCATCGAGGCCATTCTGATGCGAGATTGGTCACCCCTGGGCCAGGTTCTGGTTCTCTGTG
 ATTCCACACATTGGTCCAGGGATCGTTGATGCCCTGGCGCAGACAAAAGCAACCAAAACCGTGGTG
 TTAAACCTGACGTCCGAGCAGGGGAGACCGCGGGATTCTCTGCAGAACGACACATCCATGTGCTCCGC
 CAGCATGCTCGAAACCTTCAGGTGACCAAGTCATTGCGATGCCAAGACACTGCTCCTCACAAACCGAA
 CGCAATCATGTAGAACGAGCTGCTCGACCCCTGGTGCAAGAAGTCTCCTCATGATGTCCAGGCTGAA
 GATGGCGTGGTCGATTACCAAGTATTACGATCCAGCAAAGCTGTCAGCGTTGCTGGCAAGTTT
 GCTGGAGCACGAAAGCGT

RXC02254 - 3'-Region
 TAAGGAGTAGGCGTGTCACTGAC

RXC02255 - 5'-Region
 GTGTGAGCGTTGCTGGCAAGTGGAGCAGCAAAGCGTTAAGGAGTAGGCGTGTCACTGACGAG
 TGATATCAAACAAGAATTGGCGCAGGTCCAT

RXC02255 - coding Region
 GTGGCCAAAAACAGTGGTCGCTGCCGAAGTGTCTGCAATTAAAGGTTGCTGGTGAGATGCAAGCT
 GTCGGCGCAAGCTGGTATCGAACGAAATTGGACAGCATGCAAGTCGGTATGAGGCTTCAGGAGTT
 ATCCAAGGTTTGATCAAACCTCGAGTCGATGTGACACCCGACTGTGAGCAGGAAACGCCA
 CGGTATTGGTGCATCATTGACAATGCCGATGAAATTGCGCGACGCACCGACTGGTCACCAGGTCT
 GGACATGTGGTTAAAGGCTAGCGCCTCTGTGGTCAGCGGAACAATCAGTGACGCTGAAGCTGCATGG
 CGCGTGCCTCTAGCCAATGGATCTTAAGTGTGATCCAGGTGTTCTCGTTGGAGGTGTTG
 CCTGGTCAAGAACGATGGCACTGGTGGATGTGCGCGAAGAATTGGATGCGCGAACAGAAA
 GATTCTCGAGGATTGATCGCTCAATGTTGATGCGGAAGCAATTGGGACTGCTCACTCGAATG
 GGTGCCAGAAAACGATGTTGAGGAAAGAAAAACGATCAAGCGGGAAAGTCGAACCTCGCAAACC
 GGGTTGGCCAACCTCGACGATGCCAATCTGCGCAGGTGAGCCGAGCAGCTGCGCTGCAGCGAGG
 GTAGAACGCGCCATGAAGATTCTGGTAGATGTTGCTGAGCATTGGCTGAGGCTGGACAGCTGCGT
 GTGCAGCACCGTCAGGCATGTTGGAGGAGTTGGGCCGGTTGGCTGATCCTCAAATGACCAAGGATGCT
 GTGGCCGGTGTATTGCTCGTCTTTGACGATGGCAGATAAGCGCGCCGAAGATCTGAAGATTCTGAT
 ACAAAATTCTGTTGACGGAAGATTGGAAAGAAATT

RXC02255 - 3'-Region
 TAGATGATTGAAGCCTAAAAACG

RXC02435 - 5'-Region
 TCATGAATGTAGAACGGATTATCGACAAGCGCCAGCAAGTACGTTGATCTTTAGCCATCATCGCTG
 TGTACGCAGTGCAGGCCATTCAATCGAGATCA

RXC02435 - coding Region

GTGACAGACAACCTGGGTTCAACCGAGTATCGGTGACCGTGGATTCTGTACGCACCGCTGATGGATGAT
GGTGGCTTGTTGGTCCACTCGCTGCCATCGGAGGAATGTTCTGCACATTGGCCCCGGCACATGCTGTG
AACCTTGTGTTGGTGTGGGTGGAAAGAGAAATTGAACGAGACTTCGGTTCTGCGCTTTCACTGCG
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GGTGCCTCCGGGCCATTACGCCATGATGGCTATTGGTGGGGCTTTGTGTTAAGAACGCGGGAT
ATCCGAGCACCCCTGATCCTTATGCCATCAACATGCCATACCTGATGTCACCAATGTTCTG
TGGGGACACCTGGAGGTTGATCACTGGAGCTTAATTACTGGCCAATGGTAAAGCGAAAACCAA
AGAACACGGTGGATTATCGTGCCTATTGGTTTGCTGTAGTTGTGGCTGCTGTCATTCTAGGAATTGAC
CGGGTG

RXC02435 - 3'-Region

TAGAACACATTCCGCCATTGCC

RXC03216 - 5'-Region

GCTGTATCACAGTCAGCTGCAGCAGGTGGCGAACCGTTGCGGTCCCAGCGGCTGCTCTGATCCCTGCA
AACAACTAGAAACTATTAGAACGATCACC

RXC03216 - coding Region

ATGAAAACCTGGCTCTACAACCGCATCTTCCACGACCGCACCCCTGCCAGAACGGCTCGCAGCCATCAA
GCTGCAGGTCTCACCGGAATTGAACCTAACACCCGGCGATTTCGCCTGCAACCCACATCCGACCAC
GATGACATCCTGGTCAGCGATGATGCCCGCGATGAATTCCCGGGATTTCGAAGGCACCGCGTCGAC
ATCTACGGCCTTAACCGCAACCCGCTTCACCCCAACAAGGCATGGGACAAGCATGCCGAA
GACATTGACGTTCCATCCGCCTCGCAGAGCGCCTCGGCCAAAACCGTGTGGTACCATGTCGGTCTT
CCTGGTGGCGAACCAAGGCGCGAAGTACACCAACTGGGTTGTCAACCGTGGAACTCCGAGCCTGGAT
GTCCTTGATTACCAATGGGATATCGCAGCTGAATTCTGGCGCGAGACCGACCGCTTCGCCAGATCAC
GGCGTAAAGTGGCTCTTGAGCTGCACCCACAGAACATCGTGTCAACTCCGCTGACGTGCATAAGCTC
ATCGATCTCACCGCGCCACCCACGTGGCGTCAACTGGATGCATCACACCTGTTCTGGCAGCAGATG
GACCCAACTCGCTGTGATTGATCACCTGGCGAGCTCATCTCCACGCCGCCAAAGACGTGCGAGTT
AATAAGGAATGGGCTCAGCTAACGGTGTGCTGGACAACAGCTCCGACGCCCTGACCCATCCGAAA
CGCACCAACTGGCGCGACGAGTGGCGAATGAATGGCAAAGAACTCTGCTTGGATTTCGTTGCT
CTGGCCGCGGTATGACGTTGCTTACTGGACCGAATTCCCTCCGCGACTTCACCGCGTCGATCCAAAC
ATGCTGGTCAACATCGAACACGAGGATGTTCACTCGCTCGCAAGAACGGCTAACGAAGCCGCTAAG
GTGCTGATCGAGGCCAACAGGACTCGAACAGACTCCCTGGTTCT

RXC03216 - 3'-Region

TAAAAAAACTACGCCCTGCCCGAACGCTT